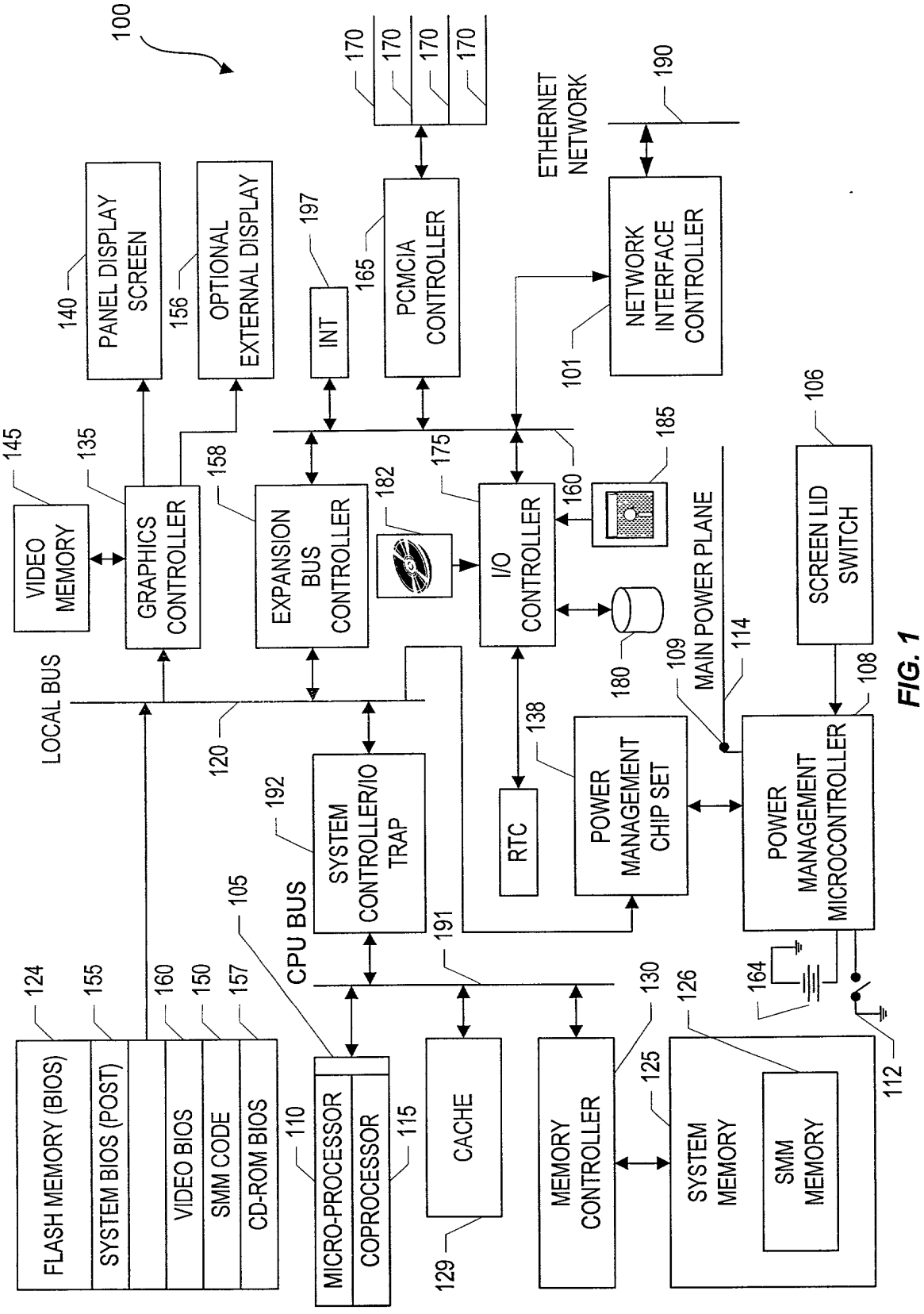
100
170
170
170
170
ETHERNET NETWORK
190
PANEL DISPLAY SCREEN
140
OPTIONAL EXTERNAL DISPLAY
156
INT
197
PCMCIA CONTROLLER
165
NETWORK INTERFACE CONTROLLER
101
145
VIDEO MEMORY
135
GRAPHICS CONTROLLER
158
EXPANSION BUS CONTROLLER
182
175
I/O CONTROLLER
160
185
106
SCREEN LID SWITCH
LOCAL BUS
120
MAIN POWER PLANE
109
114
180
138
RTC
POWER MANAGEMENT CHIP SET
POWER MANAGEMENT MICROCONTROLLER
108
192
SYSTEM CONTROLLER/IO TRAP
CPU BUS
105
191
164
130
126
124
155
160
150
157
FLASH MEMORY (BIOS)
SYSTEM BIOS (POST)
VIDEO BIOS
SMM CODE
CD-ROM BIOS
110
MICRO-PROCESSOR
COPROCESSOR
115
CACHE
129
MEMORY CONTROLLER
125
SYSTEM MEMORY
SMM MEMORY
112

FIG. 1

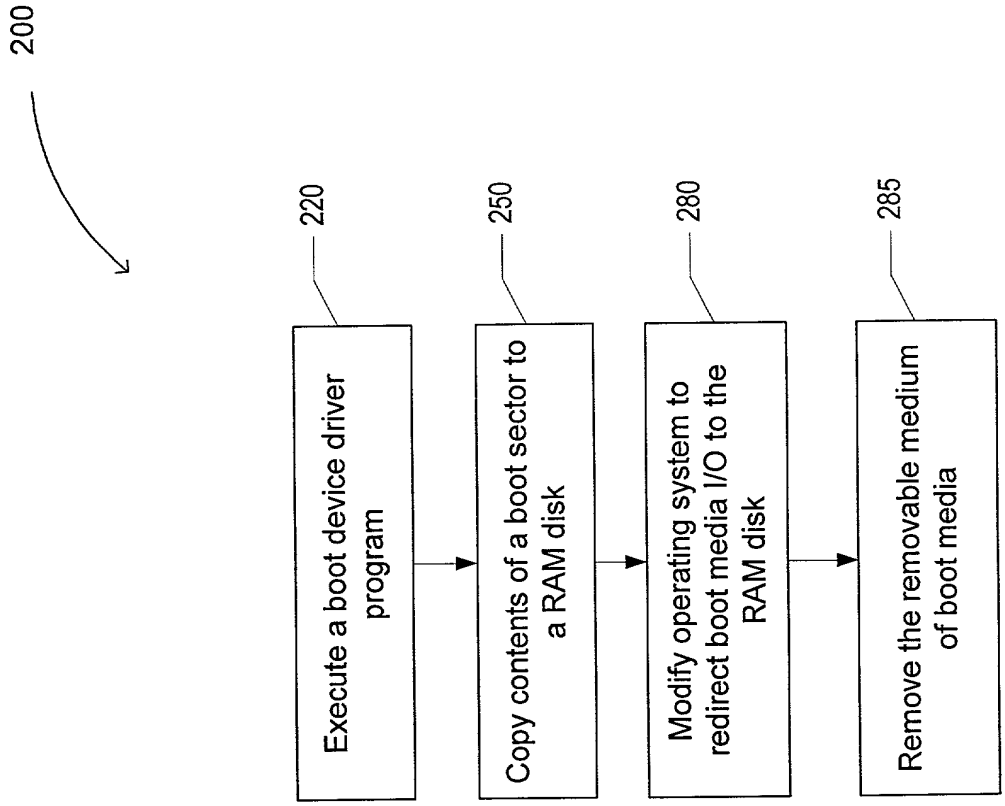
200
220
Execute a boot device driver program
250
Copy contents of a boot sector to a RAM disk
280
Modify operating system to redirect boot media I/O to the RAM disk
285
Remove the removable medium of boot media

FIG. 2A

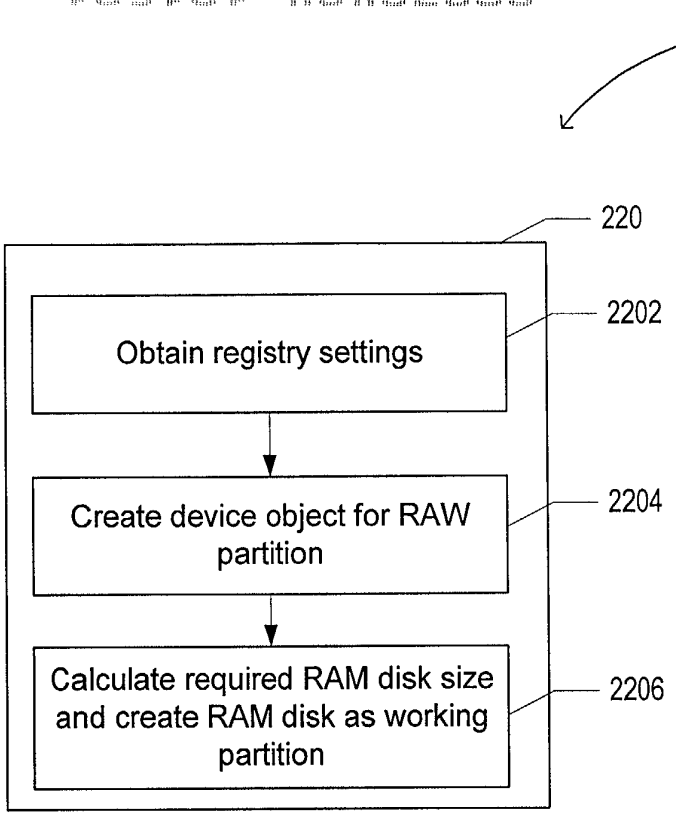
2000
220
Obtain registry settings
2202
Create device object for RAW partition
2204
Calculate required RAM disk size and create RAM disk as working partition
2206

FIG. 2B